

In re Application of Bennett et al.
Serial No. 10/732,771

LISTING OF THE CLAIMS:

1. A computer-implemented method, comprising:
decompressing a trie, including:
 - 1) evaluating a node of the trie;
 - 2) determining that the node includes a tag flag having a setting indicative of a multiple tag field attached to the node; and
 - 3) evaluating each setting in the multiple tag field, and for each setting that indicates a tag, associating the node with a category corresponding to that tag.
2. The method of claim 1 wherein decompressing the trie further comprises, evaluating a tag information field to determine that the trie was constructed to have at least one node with a multiple tag field.
3. The method of claim 1 wherein the multiple tag field comprises a bitmask, and wherein evaluating each setting in the multiple tag field comprises checking the value of each bit in the bitmask.
4. The method of claim 3 further comprising, evaluating information in a header of the trie to determine a size of the bitmask.
5. The method of claim 1 wherein decompressing the trie further comprises, checking a value field to determine which tags have values associated therewith.

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6. The method of claim 1 wherein at least one of the tags has a value associated therewith, and further comprising, checking a value size array field to determine a size for each value associated with a tag.
7. The method of claim 1 wherein decompressing the trie further comprises, checking a value size array field to determine which tags have values associated therewith.
8. The method of claim 7 further comprising, checking the value size array field to determine a size for each value associated with a tag.
9. The method of claim 1 wherein the node includes at least one partial enumeration count.
10. The method of claim 1 wherein the node includes a partial enumeration count for at least one of the tags.
11. A computer-readable medium having computer-executable instructions for performing the method of claim 1.

12-17 (canceled).